

Claims

1. A method for managing data transmission during a User equipment (UE) handover procedure used in a Radio Network Controller (RNC) having a distributed architecture, said RNC comprising a plurality of radio signaling management boards, a plurality of data transmission management boards and interface ATM boards, characterized in that the method comprises the following steps:

acquiring a handover request transmitted by UE in cells within the same RNC from a first ATM interface board, by one of the plurality of radio signaling management boards;

creating mapping between one of the plurality of data transmission management boards and a second ATM interface board, by the radio signaling management board, said data transmission management board having mapping to the first ATM interface board before handover; and

informing UE of performing data transmission between the data transmission management board and the second ATM interface board, by the radio signaling management board.

2. A method according to Claim 1, characterized in that, the step of creating mapping between one of the plurality of data transmission management boards and a second ATM interface board further comprises the steps of:

causing the second ATM interface board to learn an IP address of the data transmission management board, by the radio signaling management board; and

causing the data transmission management board to learn an IP address of the second ATM interface board, by the radio signaling management board.

3. A method according to Claim 2, characterized in that, the interface ATM board obtains its IP address according to an index number of the data transmission management board, and the data transmission management board obtains its IP address according to an index number of the interface ATM board.

4. A method according to Claim 1, characterized in that, after handover, the radio signaling management board deletes the mapping between the first ATM interface board and the data transmission management board.